

Claim Amendments

Please cancel claim 3 and amend claim 1 as follows:

--1. (Currently Amended) A hydrogen refinement apparatus comprising a source of reformed gas containing at least a hydrogen gas, carbon monoxide and water vapor, and a reaction chamber equipped with a carbon monoxide shifting catalyst body positioned downstream from said reformed gas source,

wherein said carbon monoxide shifting catalyst body comprises a carrier composed of at least one ~~metal~~ oxide of a metal selected from the group consisting of Ce, Zr and Ti, having a BET specific surface area of at least $10 \text{ m}^2/\text{g}$ and Pt supported thereon, such that carbon monoxide in said reformed gas is capable of being reduced by a shift reaction in said reaction chamber.

2. (Original) The hydrogen refinement apparatus in accordance with claim 1, wherein the BET specific surface area of said carrier is $250 \text{ m}^2/\text{g}$ or less.

3. (Canceled)

4. (Original) The hydrogen refinement apparatus in accordance with claim 1, wherein said metal oxide contains Ce.

5. (Original) The hydrogen refinement apparatus in accordance with claim 4, wherein said metal oxide contains Zr.

6. (Previously Amended) A hydrogen refinement apparatus in accordance with claim 1, wherein said carbon monoxide shifting catalyst body comprises a carrier supporting Pd, Rh or Ru in an amount of 0.1 to 0.5 fold by weight based on Pt, in addition to Pt.

7. (Withdrawn)

8. (Withdrawn)

9. (Withdrawn)

10. (Previously Added) The hydrogen refinement apparatus of claim 1,
wherein the carrier is in a form of pellets.

11. (Previously Added) The hydrogen refinement apparatus of claim 10,
wherein the pellets are located inside a column.

12. (Previously Added) The hydrogen refinement apparatus of claim 1,
wherein a surface of the carrier is composed of a slurry coating of a heat-resistant metal material.

13. (Previously Added) The hydrogen refinement apparatus of claim 12,
wherein the metal material is selected from the group consisting of cordierite and mullite.

14. (Previously Added) The hydrogen refinement apparatus of claim 1,
wherein the carrier is in a form of a honeycomb.

15. (Withdrawn) - -